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Health and Safety Aspects of Visual Display Terminals: A Comprehensive Bibliography

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VIDEO DISPLAY TERMINALS

Video Display Terminals (VDTs) are terminals for computer or date-storage systems and are used in places where large volumes of information are handled regularly, such as in business and government offices, banks, newspaper offices, travel bureaus, and at airports. The rapid increase in the number of VDTs (probably over 250,000 throughout Canada) might account for the widespread concern over adverse health effects on operators. Several problems relating to the use of the new technology have been identified, including eye strain, back strain and general fatigue. However, more newsworthy items have helped form the basis for the concern which operators are now expressing.

In July 1980, Ontario had a scare when four women who used VDTs at a local newspaper office reported giving birth the previous year to sons with abnormalities. The problem first hit international headlines about four years earlier when VDTs were suspected of causing bilateral cataracts in two operators at a New York newspaper office. Such coincidences caused suspicions about the work environment, so VDTs were cited as the offending devices, and radiation the causal agent.

Most recently, high incidences of miscarriages to pregnant women working in offices where VDTs and other office equipment are in use, have been reported in several locations in Canada and the United States. Once again low level radiation was cited as the possible cause although no clear link has been established. Numerous radiation surveys have been carried out which indicate emissions well below current occupational exposure limits. Careful investigations of these reported events need to be performed to establish any real association and to identify the specific cause.

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